



15TH Anniversary YEAR

THE BLURB

AREA MEMBER

PHILMONT MOBILE RADIO CLUB INC.

January
1964

PHILMONT Officers FOR 1964



THE PREZ SEZ

From the beginning, members of the Phil-Mont Mobile Radio Club have elected to the office of President, men who gave much of their time and talent to the club. Through the efforts of these men and the help of many others, coupled with true club spirit, Phil-Mont became, and is now, one of the great radio clubs.

As your president for the coming year, I have a feeling of pride. This feeling is tempered by the realization that I have much to do. I know that I will need help from a great many of you, but I also know that I can count on every member to assist in upholding the high standards of the club. Phil-Mont tradition leaves us no other course. Last year, through the efforts of the Field Day Committee and with the help of the membership, our club took top honors by having the highest club aggregate score for mobiles. This type of success comes from good planning and hard work. I would like to sincerely thank those who did such a fine job with this project. I think the entire club thanks them for again putting Phil-Mont in the forefront.

1964 — This year will be the fifteenth anniversary of Phil-Mont. Many plans are in the making and again I say we have much to do. Many important committees are already gathering momentum. A special Dinner-Dance is being planned. Requests have been received for such activities as transmitter hunts, which we shall have. Make your wishes known; Phil-Mont as a team is on the move! Let's have a banner year.

de K3GNJ

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IT SEEMS TO ME

Welcome to the New Year! Welcome also to the new officers, new ideas, new resolve to push Phil-Mont ahead and to renewed interest in our hobby in all its many facets.

Speaking for both myself and the staff of the BLURB, I assure you that we intend to keep our publication as interesting, up to date, and lively as we possibly can. We welcome comment, but we thrive on contribution. Send us your ideas, quips, Tekni-Grams, letters or what have you. This is the publication of Phil-Mont, not an individual or group of individuals. My personal wish for every Phil-Monter is for a good, happy and successful year and for our club, continued success.

de K3KUD

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WELCOME TO THE NEW OFFICERS

President:-

Enos (Enie) Bartol, K3GNW. Enie is well known for his big signal from Germantown and for his activity on Channel 1. Vice-President last year and Secretary the year before, Enie takes his new post well equipped for the job. Enie is employed in the construction business. He and his wife Tina have three daughters, one of whom is a ham (Barbara, K3GVT). Enie was the winner of the Phil-Monter award for 1963 and in 1962 was voted the Outstanding Member.

Vice-President:-

Ed Moore, W3EQV. Forty-eight years old, Ed obtained W3EQV in 1934. Presently employed in Quality Assurance for Army Electronics, Ed has previously worked in radio production and in radio and TV service. Ed has been a Phil-Monter for four years, has twin sons in college (Bob, K3MBQ, and Rick, K3MBR) and, as he puts it, "one wife, Dee, K3YLT." The Moore radio association presently are "cliff dwellers," operating with indoor antennae. In the summer they operate weekends from Mays Landing, New Jersey. Mobile hamming is done in a black rolling antenna farm which also serves as the family care.

Secretary:-

Al Lewis, W3WPD. Al was too shy to furnish us with information about himself, but here is what we ferreted out. Al is a dentist in general practice and in addition teaches at the University of Pennsylvania School of Dentistry. He formerly held a W2 call and has had W3WPD for quite a while. A Navy veteran, Al has been a Phil-Monter for about two and a half years, during which time he has twice been Chairman of the Dinner-Dance Committee. Al and his wife, Muriel, currently make their home in Havertown.

Treasurer:-

George Weed, W3MHR. Last year's Treasurer, George did a good job and was promptly re-elected. George is active on Channel 1, both mobile and fixed and in addition works CW on 15, 20, and 40 meters from the home station in Wyncote. An electrical engineer, George is Manager of the Tribune Laundry in Philadelphia. Licensed in 1938 as W8SFC, George took time out to serve in submarines during both World War II and Korea.

Director:-

Bill Bubeck, W3YHV. Well known as the Chairman of the Field Day Committee, Bill is also one of our 10-on-10 net control stations, and is very active in the publication of the BLURB. Bill lives in the Norristown area and is employed as an Electronics Engineer by the Navy.

CLUB NEWS AND ACTIVITIES

Field Day 1963 — All the work, planning and thought that our Field Day Committee put into this year's effort paid off when the December QST was delivered. Phil-Mont was FIRST and by the comfortable margin of 28,185 points. Once again we have proved that when an all-out effort is needed, Phil-Monters have what it takes. Our congratulations to Bill Bubeck, W3YHV, and his very fine committee and to the mobiles who worked so hard all day and all night to make Phil-Mont a winner.

In addition to the fun that goes with every Field Day, there is a more serious overtone, because this is, in fact, an emergency drill. We all fervently hope that we will never have need for the capability under emergency circumstances, but if we should, Phil-Mont will be ready and willing EVERY SINGLE MINUTE.

The new mailing stencils which are appearing on the BLURB are the work of Paul Bohlander, W3VVS. The new stencils include the ZIP numbers in all cases where they are available. This is a big job and will take a little time to complete, but Paul is hard at it.

December Meeting: As always, the main business of the December meeting was the election of club officers for the coming year.

Under the able guidance of John Tinaglia, W3AWH, the rules for voting were discussed and the candidates for office introduced. The usual, impassioned three-minute speeches were eloquently delivered by the candidates for President, Enie Bartol, K3GNJ, and Ed Moore, W3EQV. The balloting proceeded smoothly and the results were instantly tabulated by Phil-Mont's non-electronic computer, W3QQH.

When the smoke had cleared, Enie Bartol, K3GNJ, had been elected President by an overwhelming majority. Also elected on the first ballot were George Weed, W3MHR, Treasurer, and Bill Bubeck, W3YHV, Director. A second ballot was necessary to elect Al Lewis, W3WPD, as Secretary.

Other items covered during the course of the meeting were a report from the Banquet Committee and the introduction of visitors by Paul, W3VVS. After the awarding of some very nice door prizes, copious amounts of coffee were absorbed by those present.

From Wayne Zeigler, WN2GBJ, our club historian, a request for newspaper articles, pictures and any other material relating to the club.

January Meeting: The featured discussion at this meeting will be "Loran and 160 meters," according to Lloyd, W3CDY. Lloyd also tells us that the February meeting will feature "Monkey Business," which he says will be most enjoyable, but he will tell us no more.

CLUB NEWS AND ACTIVITIES (continued)

Code practice sessions from W3TKQ have been discontinued as of December 10. The first ten-week period of these sessions has now been successfully completed and we hope that many have derived benefit from this effort. The practice sessions will be resumed in February if sufficient interest in the program is evidenced.

December Mid-month meeting was held at the home of George Weed, W3MHR. Many items of importance were discussed relative to the coming year, which is our 15th Anniversary Year. One of these items is the Dinner-Dance. We expect to make this an outstanding and memorable affair and planning has already started.

Progress has been made on the procurement of a trailer to replace the Red Truck. The committee is looking over trailers and checking prices. More information on this will be forthcoming as the work of the committee bears fruit.

An Auditing Committee consisting of W3DSG, W3NIP and K3DJE and a Budget Committee consisting of the foregoing plus W3GOW, W3QQH, W3MHR and K3KUD, were appointed to clear the Treasurer's books and decide how to spend next year's income.

A schedule of Mid-month Meetings has been started for 1964, and will appear in next month's BLURB. January Mid-month will be held at the home of Enie, K3GNJ.

We regret the passing of another of our members, Stuart Wilson, W3FUY. Stu was a resident of Bucks County and while not as active lately as in the past, was well known to many of our members. Our sympathy to his family.

Did you know that Enie Bartol, K3GNJ, is the first "K" call ever to be President of Phil-Mont?

The Editor requests that all Phil-Monters having SSB capability, either fixed or mobile, drop a card to the BLURB stating your call, bands usually worked and whether you are fixed, mobile or both.

Did you ever notice that certain Phil-Monters have "pet" sayings? For example: W3JGB, "Well boys, I'm heading for the barn." - W3GIF heads for his ranch. - W3IW, "Time to get something to eat." - W3CHZ, "The weather for today is ____." - W3UMK says, "73 to you and the multitude." - W3QV is often responsible for a very expressive "Oh me." - "Sunny" (W3DSG), "Raise the dues." - W3YHV, "Quack, quack, quack." - W3QQH, "Clear on 1018." - K3NYN, "Why? What do you mean?" - W3DJW, "Calling Jon Balch on the air waves."

The Sabin oral polio vaccine project was completed on Sunday, December 15. The following mobilers contributed time and effort to the success of this venture: W3s, OWK, LNQ, HQJ, UMK, GIF, DOB, ZZI, SRV, DSG, DJV and K3s, GNJ, KDP and SPS. A special mention of Bud, W3ISN, who acted as net control and contact with the drug company. A most worthwhile venture, well done!

CLUB NEWS AND ACTIVITIES (continued)

The Delaware Valley Council of Radio Clubs Banquet, held on November 30, was well attended by Phil-Monters and their families. Among those present were W3's JYA, WNC, DSG, EQV, APD, FLP, VSU, DJW, and K3's NYN, OEJ, HWX, and SZJ. A good meal and a good time is the report from all concerned.

The Banquet Committee for Phil-Mont's 15th Anniversary Year will try hard to give you all exactly what you want. In order to help them, why not jot down any suggestions, comments or ideas and send them to the Editor, K3KUD, who will turn the information over to the chairman of the committee, when one is appointed.

Paul Bohlander, W3VVS, submits the following definition of an expert: "X" - an unknown quantity; "spert" - a drip under pressure.

The following letter to the Editor is printed as received:

"Dear Sir;

W3QZ0 concludes his letter in the December BLURB by saying "it appears that the matter best be dropped"

Well, Mr Editor, if you will donate the space; I- and possibly others-will donate a few ideas to kick around instead of dropping the matter.

Recent writings in HAM literature hint that hams are tending to take more out of ham activities than they put in for the general good. Hence the need for organized, rather than haphazard philanthropic projects.

Some hams have the time and ability, but not the finances, to do extra projects, and vice versa.

Many of us will have to look ahead to a time of retirement, when we will not be physically able to erect masts and aerials ourselves, but will have need of a hobby. With greatly lengthening of expectancy of life; help for the aged is becoming more important-Help in giving them a way of spending their time.

If the Amateur Radio Clubs are going to drop their members when dwindling finances and their health, prevent them from attending meetings; the clubs will be missing a wonderful chance for really helping the retired person, who, in todays world has a crying need for a hobby.

S0: How about starting a voluntary fund-entirely apart from the general fund to defray the cost of carrying members on the books and give them technical assistance to help keep them on the air.

A pool of retired persons who are hams will be a national asset in emergency when the younger ones are working.

Donations to the fund could be made by anyone, but more especially from those who use the services of the Antenna (or similar) Committee, instead of paying a regular service man to do the work.

73
K2EZJ

TID-BITS

New Heathkit Bodel SB-100 Transceiver has been tentatively announced for delivery in May, 1964. The following information has been lifted from the preliminary specifications for the unit.

Operation on all bands, 80-10 meters in 500 kc segments, SSB.

Upper and lower sideband and CW selection.

PTT and VOX operation; break-in CW operation.

ALC; built-in 100 kc calibrator; provision for operation with linear amplifier.

Circuit board construction with wiring harness.

Linear tuning provided by Heath designed LMO. Crystal filter SSB generator.

1 kc dial calibration; bandspread.

May be used with 110 vac or 12 vdc power supply. Cabinet size 14-7/8" wide x 6-5/8" high x 13-3/8" deep. Weight 18 pounds net.

Unit delivers 180 watts PEP input to a pair of 6L46's. Variable loading, 50 ohm output. Carrier suppression 55 db down from peak output. Unwanted carrier suppression is 55 db at 1000 cps or higher. Stability 100 cps over-all after warmup.

At the time of writing the price is unannounced.

How would you like using a Sixer only? That would be bad enough, but suppose it were only borrowed? That makes it a bit worse, doesn't it? Suppose that in addition to these things, you were also blind, this is certainly not a very happy situation and yet that is the situation at the Overbrook School for the Blind.

Operation Ham Shack, sponsored by K3RIH, is a drawing for a \$150 prize with the proceeds being used to install ham gear at the school. While the BLURB does not normally advertise drawings and similar commercial ventures sponsored by clubs or individuals, we feel that this is a most worthwhile cause. Why not help out and maybe get yourself a nice prize in addition. The school can also use any gear that you might care to donate and such a gesture will certainly give one a feeling of personal satisfaction.

Dot, W3ZLE, mentioned to us at the banquet that there were a couple of young hams at the same table whose wives were commenting on the following: "Picture a young man and his YL parked in shiny convertible high on a mountain top. The moon is full, the girl pretty and soft summer breezes are rustling the nearby trees. Under the influence of this romantic setting the boy leans closer to his date and silvery, muted tones whispers into her ear, "I wonder how my mobile signal would get out from this location?" Actually, there isn't much that can be added to a story like this, but when you realize that there is as much fact as fiction in it, and then go on to consider that still they marry us and put up with our hamming, it seems that XYLS are pretty special people.

SWAP AND SHOP

For Sale: Gonset Communicator 11A for 2 meters. Excellent condition.	\$125.00
Hammarlund HQ 110C receiver. Mint Condition.	\$150.00
Johnson Viking 11 with VFO	\$150.00
BC221 Frequency meter w/power supply	\$ 75.00
RME 6N2 VHF Transmitter - new.	\$150.00
Morrow Transmitter MB560A	
Morrow Receiver, Falcon	\$150.00
Sorry no power supply	
Geloso Transmitter, 90 watts AM-CW, 160-10 meters	\$ 50.00
New ARC-5, 1.5 to 3 mc.	\$ 15.00
220 Transmitter and Receiver, completely converted.	\$ 45.00

Will sell or swap any or all of the above.

Ellis Hersh, W3IXL
CH-7-7325

For Sale: Tri-State Electronics, TRI-X 500 transmitter Bands 80, 40, 15 and 10 with heterodyne VFO and built-in power supply All xtals included. SSB 500 watts PEP, CW 500 watts input, AM 250 watts input. A real power house, used very little and in mint condition.	\$495.00
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Ed Braddock, W2BAY
Phone: 609-429-0087

For Sale: Model 15 Teleprinter	\$125.00
Hallicrafters Mod 107 receiver	\$ 70.00
Hallicrafters HT-31 Linear	\$200.00
Heath Apache	\$200.00
BC221 w/AC power supply	\$ 90.00
Ameco Transistor Converter, 80 to 2 meters	\$ 60.00
Ameco CB-6 6 meter converter w/PS-1 power supply	\$ 30.00
Clegg "Thor"	\$300.00
Morrow Falcon Receiver, MB560 Xmtr w/AC power supply	\$235.00

SWAP AND SHOP (continued)

For Sale: Collins Receiver, 75A3	\$300.00
Collins Receiver, 75A2	\$250.00
Globe 300 watt Transmitter, 160 to 10 meters	\$100.00
Globe VHF 6 and 2, 50 watt transmitter	\$150.00
Gonset G-50, 6 meter transceiver	\$125.00
Johnson Viking II w/VFO	\$150.00
Globe HG-303, 80 to 10 meter transmitter	\$ 85.00
Heath Receiver AM and SSB	\$135.00
Heath AC power supply for above receiver	\$ 20.00
Clegg 99er, 6 meter transceiver	\$100.00
Geloso all band transmitter	\$ 60.00

Contact W3HLZ
TA-8-9604

For Sale: Heath DX-40, late model	\$ 50.00
Gonset Twins, G-66/G-77 w/power supply	\$300.00
Whipload antenna and microphone, Johnson	

Bob Diefenderfer, K3DJE
BR-5-6117

For Sale: Vibroplex "bug"	\$ 5.00
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Bob Schmilewske, K3KUD
TU-4-0190

The Editor has received in recent months, several Swap and Shop advertisements from commercial enterprises of various sizes. These items have been included in the BLURB without comment. In the future, however, ads from commercial ventures (as opposed to the Swap and Shop ads from the personal property of an amateur) will be accepted only at prevailing commercial rates. Sale or swap ads from bonafide amateurs, not necessarily club members, will be accepted if the items listed are the personal property of an amateur not primarily engaged in the resale of equipment. The staff feels that all ads, since they are free, should follow an "amateur status" path, and that club members should be given preference if space is at a premium in a given issue. If commercial ads appear to be a continued possibility, future action by the membership of the club will determine rules and rates.

The Editor and staff reserve the right to screen, investigate and accept or reject all, or any part of, Swap and Shop items submitted.

CHANNEL CHATTER

WA2RDC, Dave, in trouble with a broken axle near the Willow Grove Naval Air Station, was rescued by Bill, K3HIE, with an assist from Brad, W3QV. —Our new Prez, Enie, K3GNJ, and Vice-Prez, Ed, W3EQV, were both sponsored into Phil-Mont by Al, W3GIF. Nice going Al! —W3PXY, George, is now being heard regularly on Channel 1 from the New Hope area. George is using a vertical beam and doing quite well. —Charlie, W3ZPP, is on Channel 1 again with a Messenger from the home QTH. —Dick, W3UMK, has reluctantly and somewhat sorrowfully bid at least a temporary farewell to the Orange Juice Net. Dick tells us that during his time as Net Control he participated in 366 net sessions from April 10, 1961, to December 4, 1963. The average number of stations on the net each day was eight. Dick will be back, we feel sure. The Orange Juice Net will miss him. —The Olde Editor, K3KUD, won a gallon of "Canadian Club" in a drawing and has it hidden in the shack. —We don't hear much from K3KDP these days, but we do hear W3WQU, who just happens to be the same fellow. Ah, these two call men! —Al, K3GNM, is the proud owner of a new Galaxie, which at this moment is not mobile. —Fred, W3DJV, left six meters long enough to come on Channel 1 one night recently. —Russ, K3NYN, had better learn to keep his transmissions short - as a matter of self-defense.

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AREA NEWS RELEASE

Captain L. R. Raish (USN), Chief of the Radio Frequency Branch for the U.S. Joint Chiefs of Staff, writing in the November, 1963, issue of "Signal," reports that the latest Conference of the International Telecommunications Union (ITU) has made a number of recommendations affecting the frequencies between 4 and 27.5 mcs.

While the ITU's recommendations affect non-amateur radio services, they are considered important in that particular emphasis was placed on speeding up conversion of these HF operations to SSB and on other matters, to improve efficiency in the use of the HF radio spectrum.

"Although the 1959 conference recommended the use of DSB be discontinued in the fixed services below 30 mcs by 1 January 1970," Raish reported, "the panel recommended that these dates be moved up to 1 January 1967 for circuits with an average power of 100 watts or more."

In the maritime mobile service, the date of 1 January 1973 was set for completion of the conversion of ship radio telephone stations to SSB. The Special Aeronautical Conference, being convened in 1964, was urged to take up the possibility of an early conversion to SSB in the HF aeronautical mobile bands.

"An obvious means of relieving congestion in the HF spectrum is to reduce the number of operations on these frequencies," Raish continued. "The capabilities and 99.99 percent reliability of radio relay systems above 1000 kcs were pointed out and the conference recommended their use to replace HF systems where possible."

In the field of short wave broadcasting, the panel noted that approximately 6500 frequency-hours are used for internal national services, which for the most part involve only short ranges. The panel recommended that broadcasting services which could be accommodated in other parts of the radio spectrum should be removed from the 5950-26100 kc band by 1970 and, beginning in 1967, no new broadcasting services should be permitted in this band if other parts of the spectrum could meet the required uses."

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MORE SWAP AND SHOP

For Sale: Clegg 99er. Push to talk and low pass filter. \$100.00
3 xtals, 3 element home brew 6 meter beam.

Vibraplex key (Blue Racer). Condition: excellent. Best offer:

Contact Jeff Hawley, K3MRX
30 Alway Lane
Millanora, Pa.

For Sale: Marine radio-RCA, 807 oscillator; 4-807's PA; \$100.00
809 mod. 10 channels. Modified with AC supplies
for 110 VAC. #1 supply delivers 750 and 950 v
@ 250 ma. Pi filter. #2 supply delivers 750 and
950 v @ 250 ma. Swinging choke filter. Recti-
fiers are 5R4G's. Also 10 channel receiver.

(2) Ray Jefferson sets. Models 914-12v and 214-6v. Make offer

Several dynamotors and miscellaneous equipment.

Contact Harry Martin
Phone: AD-3-2671 evenings
or WA-7-5507

For Sale: HQ 129 X w/QF-1 Heath Q Multiplier. Good condition. Make offer

DX-100 transmitter. Good condition, asking \$100.00
or Make offer

Contact Joe Brackin, K3OMB
24 Pickwick Lane
Newtown Square, Pa.
Phone: EL-6-0622

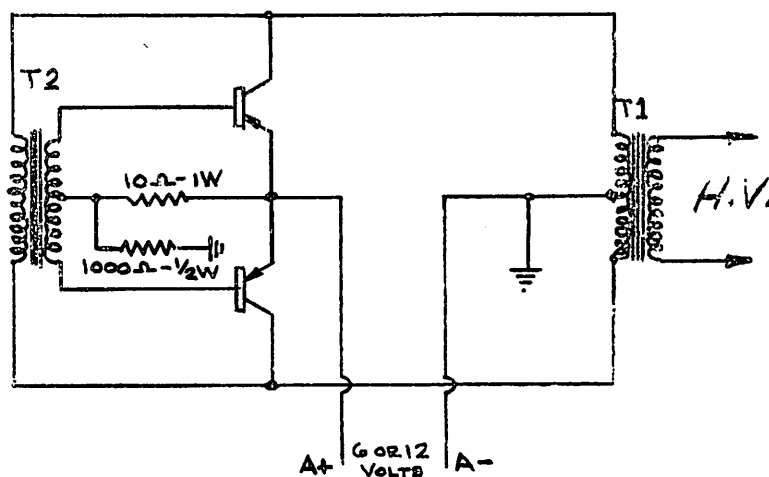
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PHILMONT TEK-NI-GRAM

JANUARY 1964

MORE ON CONVERTING VIBRATOR SUPPLIES TO TRANSISTORS (BY W3KDO)

BY W3KDO



1. THE SEPTEMBER ISSUE OF THE BLURB CONTAINED A CIRCUIT WHICH HAS BEEN IN OPERATION ON MY JAMES MOBILE POWER SUPPLY FOR 18 MONTHS. HOWEVER, THE DIAGRAM IN THE SEPTEMBER BLURB WAS DRAWN FROM MEMORY (INSTEAD OF LOOKING) AND THEREFORE CONTAINED TWO MISTAKES AS FOLLOWS: THE CENTER TAP OF T1 SHOULD HAVE BEEN GROUNDED (A-) AND THE EMITTER AND COLLECTOR CONNECTIONS OF THE TRANSISTORS REVERSED FOR PROPER OPERATION. MY HUMBLE APOLOGY FOR THIS FAILING MEMORY.

2. A SIMILAR CIRCUIT IS SHOWN ABOVE WHICH MAKES USE OF THE FOLLOWING COMPONENTS:

T2- 20000 ohm PRIMARY TO 2000 ohm C.T. SECONDARY (AR-103 ARGONNE OR TA-34 STANCOR).

1000 ohm RESISTOR MAY NEED TO BE CHANGED TO LOWER VALUE.

TRANSISTORS ARE RCA 2N277.

3. ANY EQUIPMENT THAT HAS FILTER CONDENSERS, ETC. ON THE VIBRATOR PRIMARY WINDING OF T1 SHOULD HAVE THEM REMOVED. THE CENTER TAP OF T1 SHOULD ALWAYS BE A-. ANY EQUIPMENT WITH A+ ON THIS TAP MUST BE REVERSED.